

**Annex 1 B: Technical specification of the public contract**

List of medical devices and minimum required technical specification		Medical devices delivered based on the offer - technical specification	
<b>1. Digital Mammography Machine (1 pc)</b>		<b>1. Digital Mammography Machine</b>	
Certificate	CE,FDA,ISO	Yes / Ano	
Maximum floor plan dimensions	1200 x 700 mm	Yes / Ano - 1104 x 650 mm	
Maximum weight	350 kg	Yes / Ano - 308,6 kg +/- 10%	
Maximum starting time	2 minutes	Yes / Ano - app./ cca. 2 min 30s - 3 min	
Detector	CMOS / amorphous silicon (a-Si) + scintillator CsI (Tungsten) or (Molybdenum/Tungsten)	Yes / Ano - CsI	
Main material of the anode of the x-ray tube		Yes / Ano - Tungsten / Wolfram	
System	Windows	Yes / Ano - Windows	
Minimum display monitor	min 2x 2Mp min 21"	Yes / Ano - 1x 23", 2 MP monitor	
Exposure control detector	Both automatic and manual	Yes / Ano - automatic and manual / automatická a manuální	
minimum pixel	min 24x29 cm	Yes / Ano - 24 x 29 cm	
	min 100 µm	Yes / Ano - 100 µm	
minimum matrix, pixel	2.850 x 2.394 pixels; approx. 13 MB per frame	Yes / Ano - 2.850 x 2.394 pixels / pixelů; app. 13 MB per frame / cca. 13 MB na obrázek	
minimum mAs range	4-500	Yes / Ano - 0,1 - 500 mAs	
		Yes / Ano - 20 - 50 kV (generator is blocked in range 25-35 kV for safe clinical use by the manufacturer- this range can be set by the user in the system) / (z důvodu bezpečného klinického používání je generátor výrobcem blokován na 25-35 kV - tento rozsah si může uživatel nastavit v systému)	
minimum kV range	22-49	Yes / Ano	
preconfigurable protocols	min 10 presets	Yes / Ano	
data, recording media and connectivity	HD of min 1 TB, DICOM, DVD, USB, and Ethernet	Yes / Ano - HD - 1 TB, DICOM, DVD, USB, Ethernet	
<b>Automatic workplace (AWS) of the radiolaboratory with a monitor for visualization of images</b>			
Workstation	CPU Mhz	3.0	Yes / Ano
	RAM (GB)	4	Yes / Ano - 4 GB
	HDD (TB)	1	Yes / Ano - 1 TB
Monitor	Screen Type	LCD	Yes / Ano
	screen size, inch	23	Yes / Ano - 23"
	matrix size (resolution), pixel	1920x1080	Yes / Ano
<b>Automatic workplace (AWS) of a doctor with medical monitors for image visualization.</b>			
Workstation	CPU Mhz	2,3	Yes / Ano
	RAM (GB)	16	Yes / Ano - 32 GB
	HDD (TB)	1	Yes / Ano - 2 x 1 TB
Monitor (qty 2)	Screen Type	LCD	Yes / Ano
	screen size, inch	21,3	Yes / Ano - 21,3"
	matrix size (resolution), pixel	2048 x 2560	Yes / Ano - 2048 x 2560
	Brightness, cd / m²	500	Yes / Ano - 1200 cd/m2
	Contrast	1000:1	Yes / Ano - 1200:1
<b>2. Ultrasound Machine</b>		<b>2. Ultrasound</b>	
The supplied apparatus must have CE and / or FDA certificates;		Yes / Ano	
maximum floor plan dimensions	550x750 mm	Yes / Ano - 525 x 740 mm	
maximum weight	85 kg	Yes / Ano - 83 kg	
minimum display monitor	21"	Yes / Ano - 21,5" widescreen LCD with high resolution / 21,5" širokouhlá LCD s vysokým rozlišením	
active ports	min 3, ideally 4	Yes / Ano - 3 active ports / 3 aktivní porty	
printer	BW	Yes / Ano - BW	
keyboard	full size	Yes / Ano - ergonomic full size / ergonomická veliká	
control monitor	touch screen min 10"	Yes / Ano - 10,4" LCD touch screen / 10,4" LCD dotyková obrazovka	
foot switch	programmable	Yes / Ano	
probes for examining applications	abdominal, breast, vaginal, and cardiological	Yes / Ano	
data, recording media and connectivity	DVD, USB, HD min 300 GB, DICOM, Patient Database - configurable, RAW data - analysis	Yes / Ano	
Number of digital channels	150,000 channels or more	Yes / Ano - 386 000	
The maximum number of personnel in seconds	700 or more	Yes / Ano - 2900 fps	
Monitor tilt angles	+ 25 / -90 degrees or greater range	Yes / Ano - + 10 / - 90 degrees / stupňů (explanation no. 1 / vysvětlení č. 1)	
The range of the ultrasound viewpoint (DOF range)	0-30 cm or more	Yes / Ano - max. DOF 0 - 33 cm (probe dependant / v závislosti na sondě)	
Composite dynamic range	224 db or better	Yes / Ano - 270 db	
The dynamic dynamic range	36-98 db or better	Yes / Ano - 36 - 98 db	
Gray scale	256 or better	Yes / Ano - 256	
Ultrasound Frequency Area		K60:KK59:K73	
<b>Online UPS For Mammography and Ultrasound Machine</b>			
UPS Type	Online	Yes / Ano - Online	
Form Factor	Tower	Yes / Ano - Tower	
Output power (VA/W):	10000 VA / 9000 W	Yes / Ano - 10000 VA / 9000 W	
Interface	RS-232, USB, RJ-45	Yes / Ano - RS-232, USB, RJ-45	
Warranty	2 year	Yes / Ano - 2 years	